This Class 536 is considered to be an integral part of Class 260 (see the Class 260 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 260.

ORGANIC COMPOUNDS (CLASS 532, SUBCLASS 1)

1.11 .Carbohydrates or derivatives
2 ..Pectin or derivative
3 ..Algin or derivative
4.1 ..O- or S- Glycosides
4.4 ...Aescin or derivative
5 ...Cyclopentanohydrophenanthrene ring system
6 ....Oxygen containing six-membered hetero ring (e.g., oxathiane, etc.)
6.1 ....Oxygen containing five-membered hetero ring
6.2 .....Nitrogen, phosphorus or halogen containing
6.3 .....Processes of extracting from plant materials
6.4 ...Daunomycin or derivative
6.5 ...Oxygen containing hetero ring having at least twenty members (e.g., amphotericin, nystatin, pimaricin, etc.)
7.1 ...Oxygen containing hetero ring having 12-19 members (e.g., methymycin, carbomycin, spiramycin, etc.)
7.2 ....Erythromycin or derivative (e.g., oleandomycin, etc.)
7.3 .....Boron, phosphorus or sulfur containing
7.4 .....Additional nitrogen containing
7.5 .....Purification or recovery
8 ...Flavon sugar compounds
8.8 ...Coumermycin or derivative
13 ...Novobiocin or derivative
13.1 ...Antibiotic BM 123 or derivative
13.2 ...Neomycin B or neomycin C or derivative
13.3 ...Paromomycin or derivative (e.g., neomycin E, etc.)
13.4 ...Antibiotic XK or derivative
13.5 ...Butirosin or derivative (e.g., ambutyrosin, etc.)
13.6 ...Gentamicin or derivative
13.7 ...Kanamycin or derivative
13.8 ....Carbonyl bonded directly to kanamycin nitrogen
13.9 ...Sisomicin or derivative
14 ...Streptomycin or derivative
15 ....Dihydrostreptomycin or derivative
16 ....Addition compounds
16.1 ...Fortimicin or derivative
16.2 ...Lincomycin or derivative
16.3 ....Cyano or -COO- containing
16.4 ....Additional sulfur containing
16.5 ....Phosphorus or halogen containing
16.6 ...Neamine or derivative (e.g., neomycin A, etc.)
16.7 ...Kasugamycin or derivative
16.8 ...Antibiotics
16.9 ....Purification or recovery
17.1 ...Boron, phosphorus, heavy metal or aluminum containing
17.2 ...Nitrogen containing
17.3 ....Nitrogen containing hetero ring
17.4 .....Nitrogen in aglycone moiety
17.5 ....Sulfur containing (e.g., methylthiolincosaminide, etc.)
17.6 .....Nitrogen or sulfur in aglycone moiety
17.7 ....Nitro or nitroso containing
17.8 .....Nitrogen in aglycone moiety
17.9 ....Nitrogen in aglycone moiety
18.1 ...Polycyclo ring system (e.g., hellebrin, etc.)
18.2 ...Containing -C(=X)X- wherein the X's are the same or diverse chalcogens
18.3 ...Plural oxyalkylene groups bonded directly to each other
18.4 ...Halogen containing
18.5 ...Processes
18.6 ....Reacting a carbohydrate with an organic -O- containing compound (e.g., reacting glucose with methanol, etc.)
18.7 ..Nitrogen containing
20 ...Chitin or derivative
21 ...Heparin or derivative

22.1 ...N-glycosides, polymers thereof, metal derivatives (e.g., nucleic acids, oligonucleotides, etc.)
23.1 ....DNA or RNA fragments or modified forms thereof (e.g., genes, etc.)
23.2 .....Encodes an enzyme
23.4 .....Encodes a fusion protein
23.5 .....Encodes an animal polypeptide
23.51 ......Hormone
23.52 ......Interferon
23.53 ......Immunoglobulin
23.6 .....Encodes a plant polypeptide
23.7 .....Encodes a microbial polypeptide
23.71 ......Bacillus thuringiensis insect toxin
23.72 ......Viral protein
23.74 ......Fungal protein
24.1 .....Non-coding sequences which control transcription or translation processes (e.g., promoters, operators, enhancers, ribosome binding sites, etc.)
24.2 .....Non-coding sequences having no known regulatory function which are adaptors or linkers for vector or gene contruction
24.3 .....Probes for detection of specific nucleotide sequences or primers for the synthesis of DNA or RNA
24.31 ......Probes for detection of animal nucleotide sequences
24.32 ......Probes for detection of microbial nucleotide sequences
24.33 ......Primers
24.5 .....Nucleic acid expression inhibitors
25.1 ....3`-5` linked RNA
25.2 ....2`-5` linked RNA
25.3 ....Synthesis of polynucleotides or oligonucleotides
25.31 .....Deprotection step
25.32 .....Labels or markers utilized (e.g., radiotracer, affinity, fluoroescent, phosphorescent, markers, etc.)
25.33 .....Pentavalent phosphorus compound utilized
25.34 .....Trivalent phosphorus compound utilized
25.4 ....Separation or purification of polynucleotides or oligonucleotides
25.41 .....Extraction processes (e.g., solvent extraction process, etc.)
25.42 ......Denaturant utilized
25.5 ....Homopolymers having repeating sequences of four or more identical nucleotide units
25.6 ....Nucleic acids which include two or three nucleotide units
26.1 ....Phosphorus containing N-glycoside wherein the N is part of an N-hetero ring
26.11 .....The phosphorus is part of a ring
26.12 ......The N-hetero ring is part of a purine ring system
26.13 ....Adenine or substituted adenine
26.14 ......The N-hetero ring is a diazine or a diazole ring, including hydrogenated
26.2 .....Plural phosphorus atoms in N-glycoside
26.21 ......Plural phosphorus atoms bonded directly to the same chalcogen in a chain (e.g., pyrophosphates, polyanhydrides of phosphorus acids, etc.)
26.22 ....Both terminal phosphorus atoms are esterified by organic groups wherein one of these organic groups is the sugar moiety
26.23 ....Exactly two phosphorus atoms in the chain (e.g., coenzyme A, etc.)
26.24 ....NAD (nicotinamide adenine dinucleotide) and derivatives thereof
26.25 ....FAD (flavin adenine dinucleotide) and derivatives thereof
26.26 ....Triphosphates (in same chain)
26.3 ......Plural monophosphate groups (e.g., adenosine-3`, 5`-biscarboxymethyl phosphonate, cytidine nucleoside diphosphate, etc.)

26.4 .....Cobalamin nucleotides (e.g., vitamin B-12, etc.)
26.41 ......Processes of preparing or labelling
26.42 ......Processes of concentraction, separation, recovery, or extraction (e.g., recovery from organ extracts, from fermentation broth, from sewage sludge, etc.)
26.43 ....Adsorbent used (e.g., activated alumina, ion exchange resins, etc.)
26.44 .....Cobalamin analogs (i.e., compounds wherein the benzimidazole ring system has been replaced by another organic ring structure, or compounds wherein cobalt has been removed or replaced by another metal, or is substituted by a group other than -OH or -CN)
26.5 .....Plural N-glycosidic moieties bonded to the same phosphorus ester group
26.6 .....Labelled (e.g., tagged with radioactive tracer, fluorescent marker, intercalator, etc.)
26.7 .....The N-hetero ring is part of a bicyclic ring system
26.71 ......Preparing purine nucleotides
26.72 ....Guanosine nucleotide preparation
26.73 ......Separation or purification of purine nucleotides
26.74 ......Inosine nucleotide
26.8 .....The N-hereto ring is six-membered and monocyclic (e.g., uridine-5`-mono- phosphate, etc.)
26.9 .....The N-hereto ring is five-membered (e.g., 1- -D-riboburanosyl-1, 2,3-triazole-4-carboxamide-5`-phosphate, etc.)
27.1 ....N-glycosides wherein the N is part of an N-hetero ring which hetero ring is part of a polycyclo ring system containing an N-hetero ring and an additional hetero ring (e.g., rebeccamycin, etc.)
27.11 .....Preparing by cleaving nucleic acids or by attaching an N-heterocyclic base to a sugar ring
27.12 .....Separation or purification (e.g., resolving isomeric mixtures, etc.)
27.13 .....Bicyclic ring system consisting of the N-hetero ring fused to another hetero ring (e.g., 2-azaadenines, 6-azaadenines, etc.)
27.14 ......Multideoxy or didehydro
27.2 ......The bicyclic ring system consists of a 1,3-diazine ring, which may be hydrogenated, fused to a five-membered N-hetero ring (e.g., purine isoesters like tubercidin, toyocamycin, sangivamycin, sparsomycin A, etc.)
27.21 ....The five-membered N-hetero ring is 1,3-diazole, which may be hydrogenated (e.g., 6-chloropurine nucleoside, nebularin, etc.)
27.22 ....Carbonyl, thiocarbonyl, or nitrogen, other than as nitro or nitroso, bonded directly to the sugar ring
27.23 ....Carbonyl, thiocarbonyl, additional hetero ring or nitrogen, other than as nitro or nitroso, attached indirectly to the sugar ring by acyclic nonionic bonding
27.3 ....Adenosyl
27.31 ....S-Adenosyl-L-methionine, S-Adenosyl-L-homocysteine, salts, or esters thereof
27.4 ....Arabinose is sugar moiety
27.5 ....Ketose is sugar moiety (e.g., decoyinine, psicofuranosylpurines, etc.)
27.6 ....Nitrogen, other than nitro or nitroso, bonded directly to the 6-position of a purine ring system (e.g., adenosine, etc.)
27.61 ....Additional nitrogen bonded directly to the 2-position of the purine ring system

27.62 .....Nitrogen, chalcogen, or additional carbon bonded directly to the 6-position nitrogen (e.g., 6-position nitrogen is substituted, etc.)
27.63 .....Halogen, chalcogen, or cyano bonded directly to the 2-position of the purine ring system
27.7 .....Chalcogen, halogen, or benzene bonded directly to carbon of the purine ring system (e.g., isoguanosine, 2-fluoroadenosine, etc.)
27.8 .....Chalcogen bonded directly to the 6- or 2-position of a purine ring system (e.g., inosine, etc.)
27.81 .....Nitrogen, other than nitro or nitroso, bonded directly to the 2-position of the purine ring system (e.g., guanosine, etc.)
28.1 ....N-glycosides wherein the N is part of a six-membered hetero ring (e.g., diazines, etc.)
28.2 .....Multideoxy or didehydro
28.3 .....The N-hetero ring is a triazine ring, including hydrogenated (e.g., 6-azauridine, etc.)
28.4 .....The N-hetero ring is a 1,3-diazine ring, including hydrogenated (e.g., pyrimidines, etc.)
28.5 .....Nitrogen, other than nitro or nitroso, bonded directly to the 4-position, and chalcogen bonded directly to the 2-position of the diazine ring (e.g., cytidines, etc.)
28.51 .....Having chalcogen, carbonyl, or thiocarbonyl bonded directly to the 4-position substituent nitrogen
28.52 .....Halogen or alkyl group of 1-5 carbon atoms bonded directly to the 5-position of the diazine ring
28.53 .....Chalcogen bonded directly to the 2- and 4-positions of the diazine ring (e.g., uridine, etc.)
28.54 .....Alkyl, or substituted alkyl, bonded directly to the 5-position of the diazine ring (e.g., thymidine, 5-methyl uridine, etc.)
28.55 .....Halogen bonded directly to the 5-position of the diazine ring (e.g., 5-fluorouridine, etc.)
28.6 ....N-glycosides wherein the N is part of a five-membered hetero ring (e.g., selenazole nucleosides, pyrrole nucleosides, etc.)
28.7 .....Plural nitrogens in the N-hetero ring (e.g., triazoles, etc.)
28.8 .....The N-hetero ring is a 1,3-diazole ring, including hydrogenated (e.g., imidazoles, etc.)
28.9 .....Benzimidazoles
29.1 ....Nitrogen of N-glycoside is acyclic nitrogen
29.11 .....N-hetero ring bonded directly or indirectly to the acyclic nitrogen
29.12 .....The acyclic nitrogen is part of a urea or thiourea group
29.13 .....Sulfur containing (e.g., sulfides, sulfones, sulfates, sulfonamides, etc.)
29.2 ...C-glycosides wherein the sugar ring is bonded directly to carbon of an N-hetero ring (e.g., 9-deazaadenosines, etc.)
30 ...Cellulose derivatives
31 ....Nitrogen containing hetero ring (e.g., morpholine, etc.)
32 ....Esters
33 .....Sulfur containing acid
34 .....Phosphorus containing acid
35 .....Nitrates
36 .....Mixed esters
37 .....With pretreatment process
38 .....Subsequent treatment process
39 .....Comminuting
40 .....Recovery from photographic film
41 .....Viscosity or degree of polymerization changed (e.g., degrading, cross linking, etc.)

42 ....Stabilizing
43 ....Ethers
44 .....Mixed ethers
45 ...Starch derivatives
46 ....Dextrin derivatives
47 ....Cross-linked
48 ....Esters
49 .....Ether-esters or mixed esters
50 ....Ethers
51 ...Dextran derivatives
52 ...Gum derivatives
53 ...Oxygen double bonded and nitrogen bonded directly to the same carbon
54 ...Sulfur containing
55 ...Plural nitrogens containing
55.1 ....Polysaccharides
55.2 ...Glucosamine containing
55.3 ...Processes
56 ..Cellulose or derivative
57 ...Regenerated cellulose
58 ...Esters
59 ....Sulfur containing acid
60 .....Xanthate or viscose
61 ......Subsequent treatment process
62 ....Phosphorus containing acid
63 ....Carboxylic acid esters
64 .....Mixed carboxylate esters
65 ......Propionate, butyrate or isobutyrate containing
66 .....Ether-esters
67 .....Formates
68 .....Propionates, butyrates or isobutyrates
69 .....Acetates
70 ......With pretreatment process
71 ....Acetic acid utilized in pretreatment
72 ....Halogen containing compound utilized in process
73 ....Sulfur containing compound utilized in pretreatment
74 ....Sulfur containing compound utilized in pretreatment
75 ....Halogen containing compound utilized in process
76 ......Subsequent treatment process
77 ....Comminuting or centrifuging
78 ....Recovery from photographic film
79 ....Corrosiveness reduced
80 ....Viscosity or degree of polymerization changed (e.g., degrading, cross linking, etc.)
81 ....Stabilizing
82 ....Halogen containing compound utilized in process
83 ......Halogen containing compound utilized in process
84 ...Ethers
85 ....Subsequent treatment process
86 .....Comminuting
87 .....Liquid interaction properties changed (e.g., solubility, absorbability, etc.)
88 .....Viscosity, degree of polymerization or heat stability changed (e.g., degrading, cross-linking, etc.)
89 .....Acid employed in subsequent treatment
90 ....Mixed ethers
91 .....Hydroxyalkyl containing
92 ....Sulfur containing
93 ....Unsaturated
94 .....Aromatic nucleus containing
95 ....Hydroxyalkyl containing
96 .....Hydroxyethyl
97 ....Carboxyalkyl or salts thereof
98 .....Carboxymethyl or salts thereof
99 ....Alkyl or cycloalkyl
100 .....Ethyl
101 ...Metal containing
102 ..Starch or derivative
103 ...Dextrin or derivative
104 ...Aldehyde reaction product
105 ...Oxidized starch or derivative
106 ...Cross-linked
107 ...Esters
108 ....Ether-esters or mixed esters
109 ....Phosphorus or sulfur containing
110 ....Carboxylic
111 ...Ethers
112 ..Dextran or derivative
113 ...Iron containing
114 ..Gums or derivatives
115 ..Esters
116 ...Ether-esters
117 ...Phosphorus containing
118 ...Sulfur containing

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119     ...Carboxylic
120     ..Ethers
121     ..Metal containing
122     ..Sulfur or halogen containing
123     ..Plural diverse saccharides
          containing (e.g., hetero
          polysaccharides, etc.)
123.1   ..Polysaccharides
123.12  ...Glucans (e.g., pullulan, etc.)
123.13  ...Disaccharides (e.g., maltose,
          sucrose, lactose, formaldehyde
          lactose, etc.)
124     ..Processes
125     ...Isomerization
126     ...Polymerization
127     ...Purification or recovery
128     ....From plant material
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FOREIGN ART COLLECTIONS

FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**